

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
 Data File : BF139161.D
 Acq On : 26 Aug 2024 10:51
 Operator : RC/JU
 Sample : P3671-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-904-J-SO-0-0.5-081924DL

Quant Time: Aug 26 11:16:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

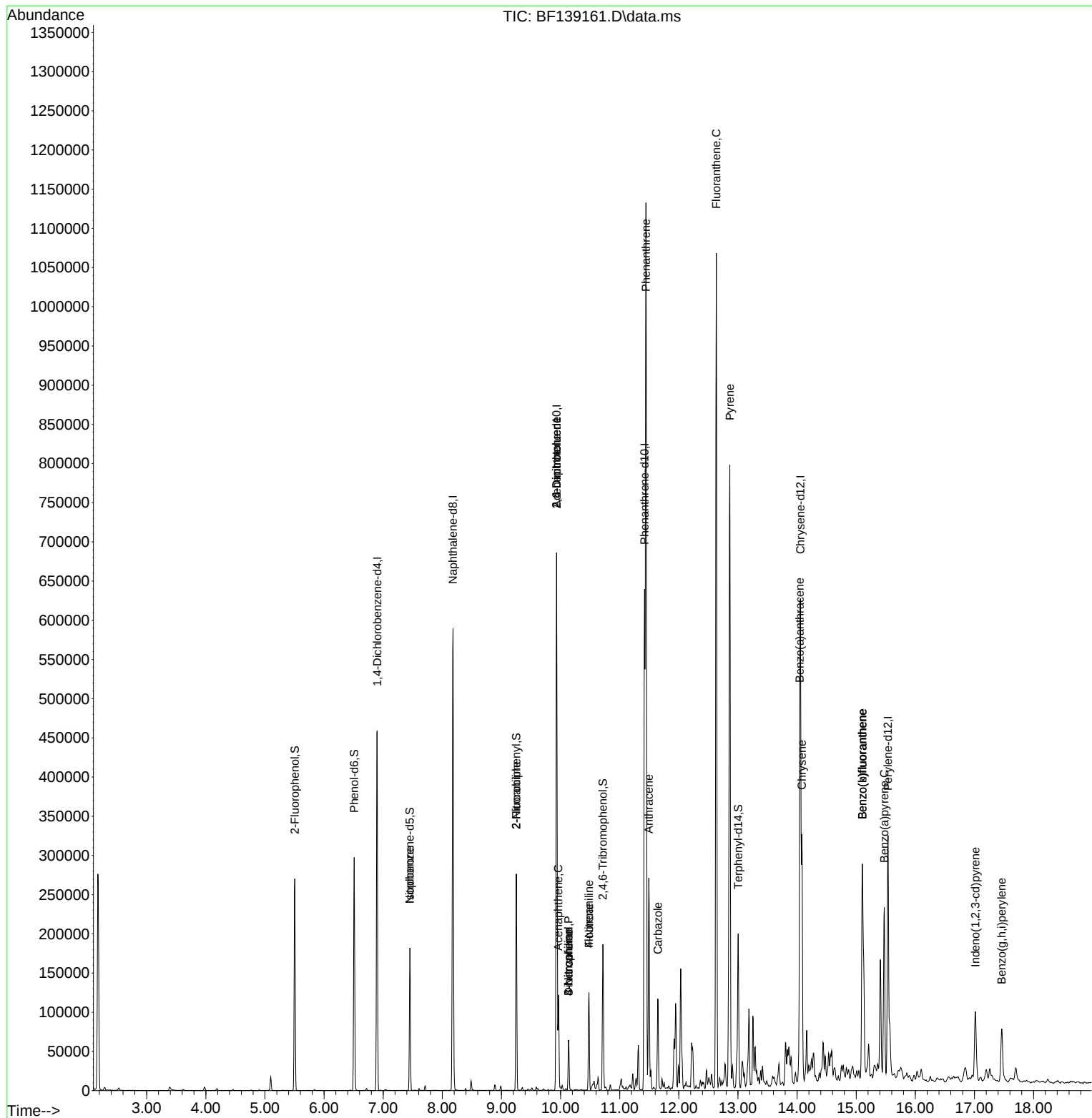
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	92486	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	347656	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	198607	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	323380	20.000	ng	0.00
76) Chrysene-d12	14.057	240	172392	20.000	ng	0.00
86) Perylene-d12	15.539	264	177359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	88103	14.656	ng	0.00
7) Phenol-d6	6.510	99	120677	15.536	ng	-0.01
23) Nitrobenzene-d5	7.451	82	76854	12.881	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	24692	13.733	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	112862	9.016	ng	0.00
79) Terphenyl-d14	13.004	244	84461	8.129	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.451	82	76562	6.037	ng	# 69
48) 2-Nitroaniline	9.251	65	59	5.674	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	25574	13.937	ng	# 17
52) Acenaphthene	9.963	154	35244	3.369	ng	96
53) 3-Nitroaniline	10.133	138	664	4.418	ng	# 1
55) Dibenzofuran	10.133	168	33138	2.181	ng	97
56) 4-Nitrophenol	10.133	139	12039	6.496	ng	# 1
57) 2,4-Dinitrotoluene	9.933	165	25574	12.881	ng	# 17
58) Fluorene	10.480	166	48410	3.987	ng	97
62) 4-Nitroaniline	10.480	138	366	3.844	ng	# 9
71) Phenanthrene	11.445	178	573880	34.914	ng	99
72) Anthracene	11.492	178	150468	9.361	ng	99
73) Carbazole	11.645	167	58690	3.910	ng	99
75) Fluoranthene	12.633	202	578748	32.989	ng	99
78) Pyrene	12.863	202	451379	31.375	ng	99
81) Benzo(a)anthracene	14.045	228	179666	15.854	ng	98
83) Chrysene	14.080	228	162868	15.856	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	67511	6.504	ng	97
88) Benzo(b)fluoranthene	15.104	252	243309	21.043	ng	99
89) Benzo(k)fluoranthene	15.104	252	243309	25.265	ng	99
90) Benzo(a)pyrene	15.474	252	128903	14.109	ng	98
92) Benzo(g,h,i)perylene	17.462	276	62516	8.842	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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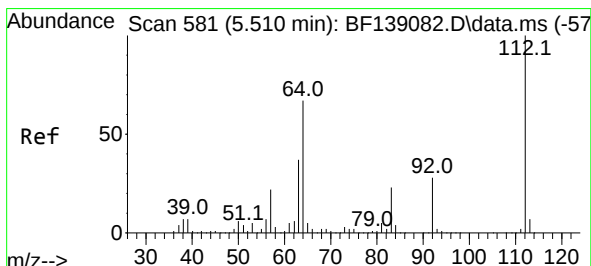
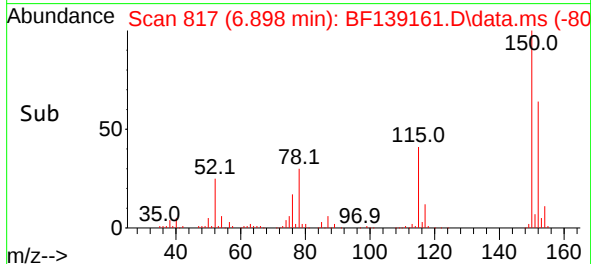
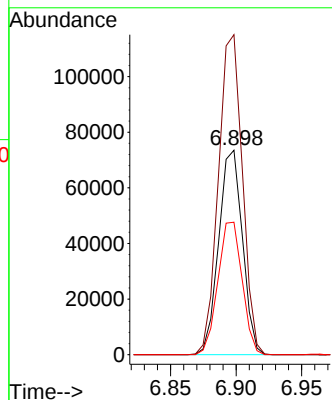
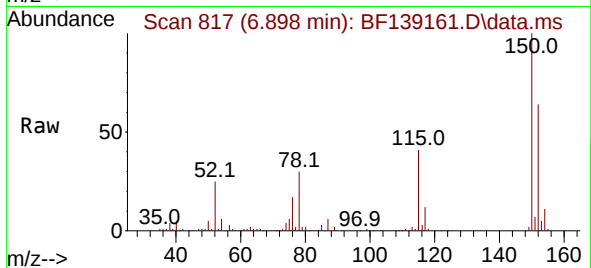




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BF139161.D
 Acq: 26 Aug 2024 10:51

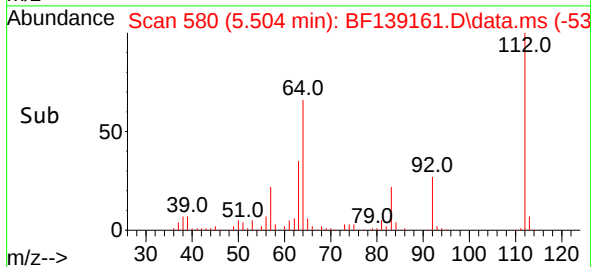
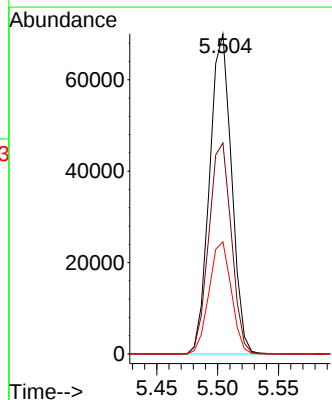
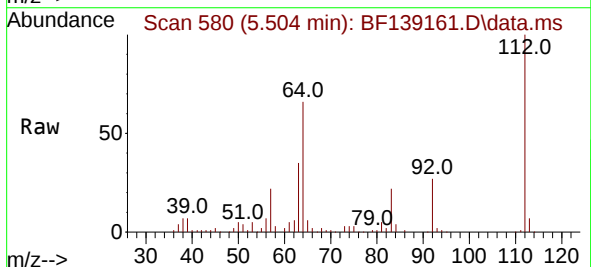
Instrument :
 BNA_F
 ClientSampleId :
 S-904-J-SO-0-0.5-081924DL

Tgt Ion:152 Resp: 92486
 Ion Ratio Lower Upper
 152 100
 150 156.5 125.1 187.7
 115 64.8 51.8 77.6



#5
 2-Fluorophenol
 Concen: 14.656 ng
 RT: 5.504 min Scan# 580
 Delta R.T. -0.006 min
 Lab File: BF139161.D
 Acq: 26 Aug 2024 10:51

Tgt Ion:112 Resp: 88103
 Ion Ratio Lower Upper
 112 100
 64 66.0 53.8 80.6
 63 35.0 29.4 44.2

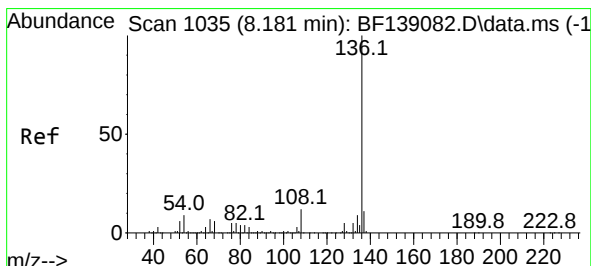
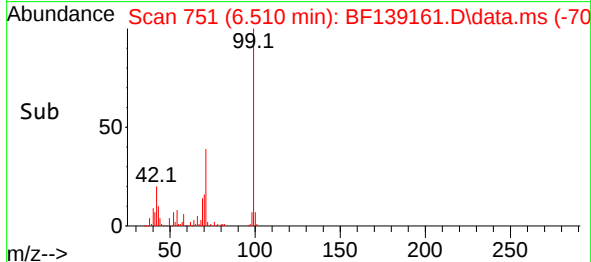
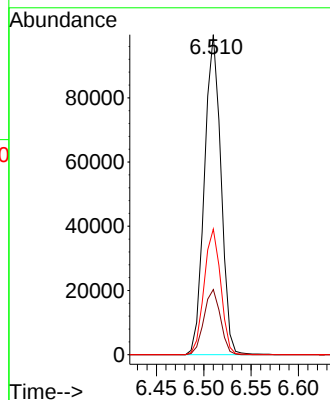
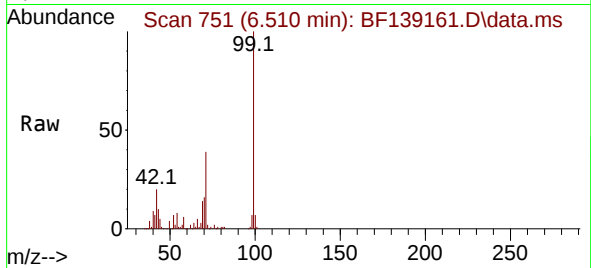




#7
Phenol-d6
Concen: 15.536 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

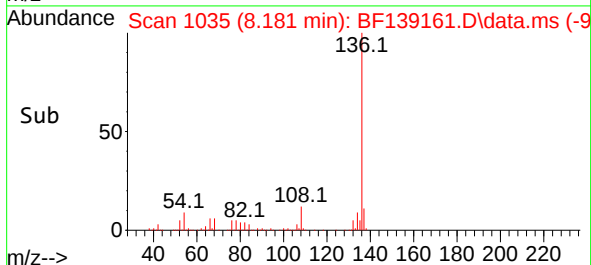
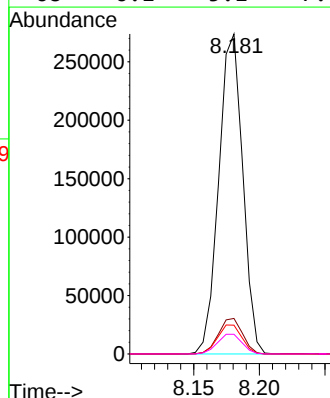
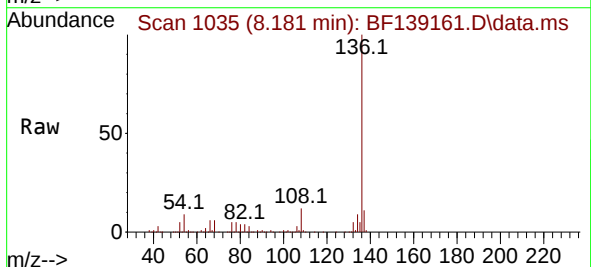
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

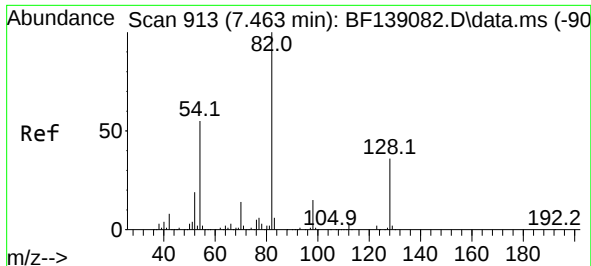
Tgt Ion: 99 Resp: 120677
Ion Ratio Lower Upper
99 100
42 20.3 17.4 26.2
71 39.3 31.2 46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion: 136 Resp: 347656
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 9.0 7.6 11.4
68 6.1 5.1 7.7





#23

Nitrobenzene-d5

Concen: 12.881 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF139161.D

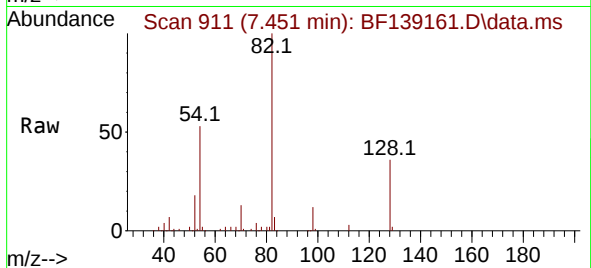
Acq: 26 Aug 2024 10:51

Instrument :

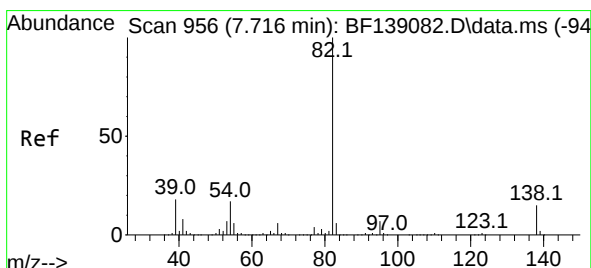
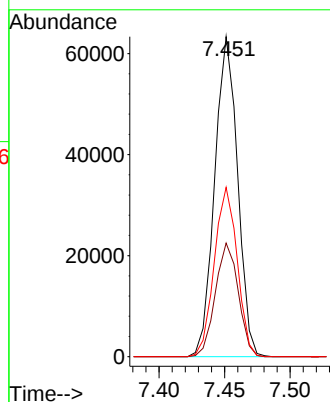
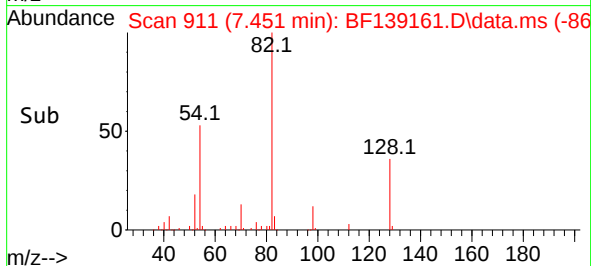
BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL



Tgt Ion:	82	Resp:	76854
Ion	Ratio	Lower	Upper
82	100		
128	35.5	29.0	43.4
54	52.9	43.4	65.2



#25

Isophorone

Concen: 6.037 ng

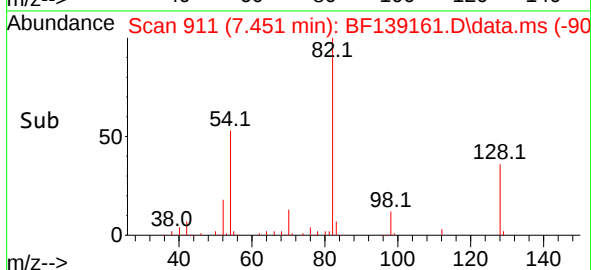
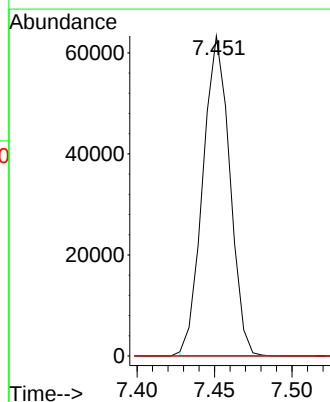
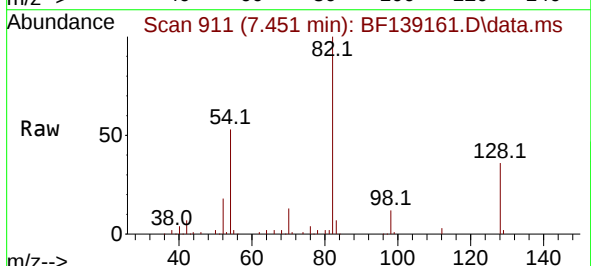
RT: 7.451 min Scan# 911

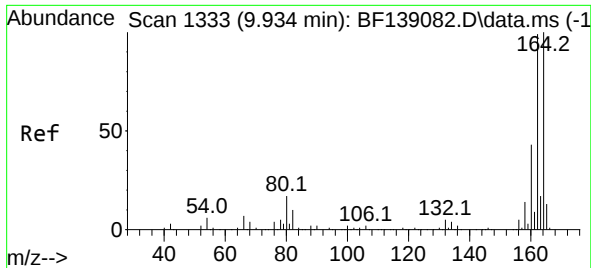
Delta R.T. -0.265 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

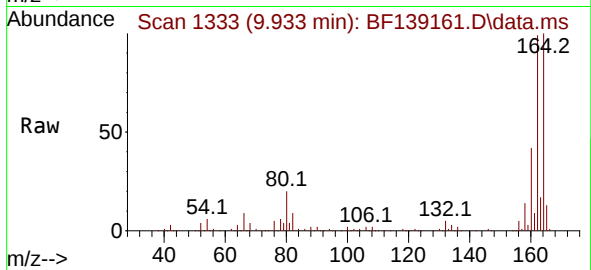
Tgt Ion:	82	Resp:	76562
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.9	8.9#
138	0.0	11.8	17.8#



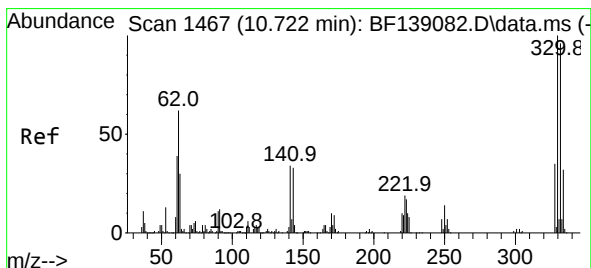
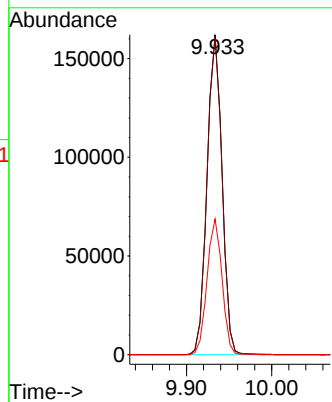
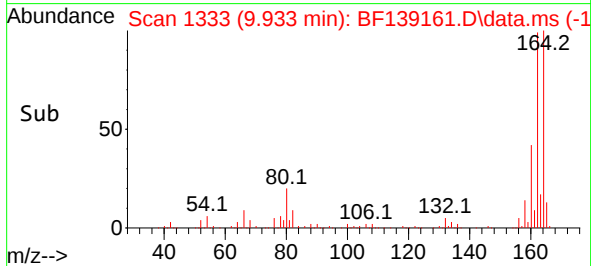


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

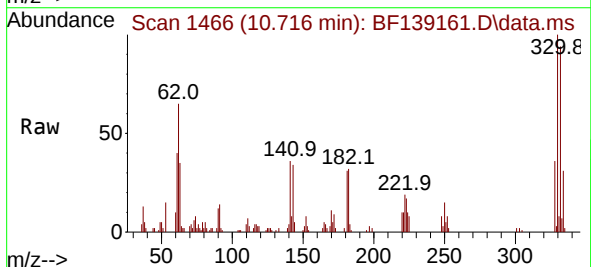
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL



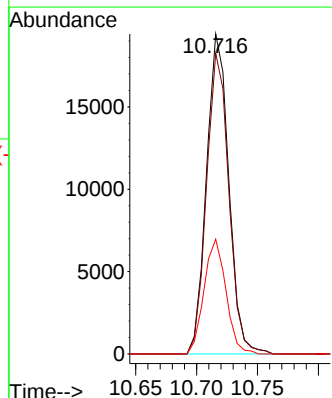
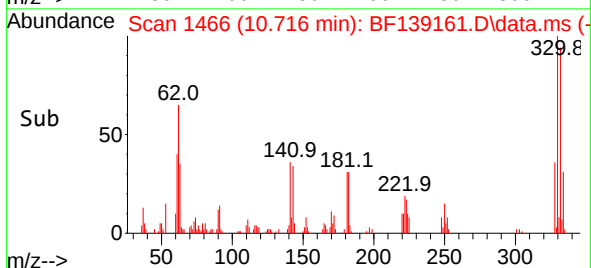
Tgt Ion:164 Resp: 198607
Ion Ratio Lower Upper
164 100
162 99.4 79.5 119.3
160 42.4 34.5 51.7

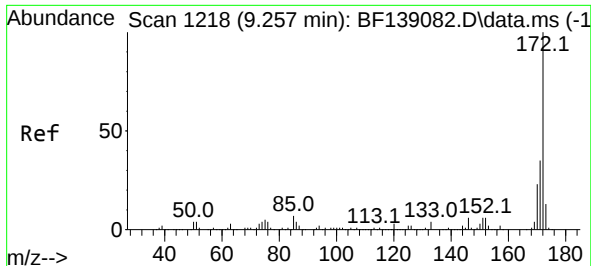


#42
2,4,6-Tribromophenol
Concen: 13.733 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51



Tgt Ion:330 Resp: 24692
Ion Ratio Lower Upper
330 100
332 93.8 77.0 115.6
141 35.2 27.5 41.3

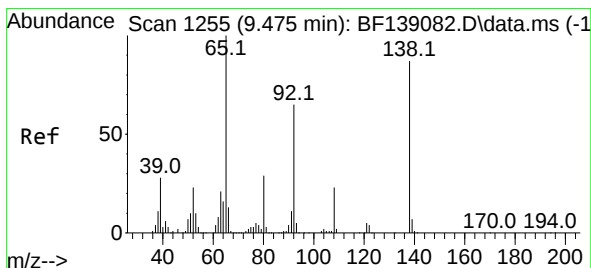
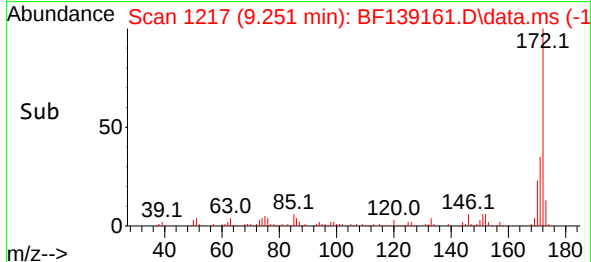
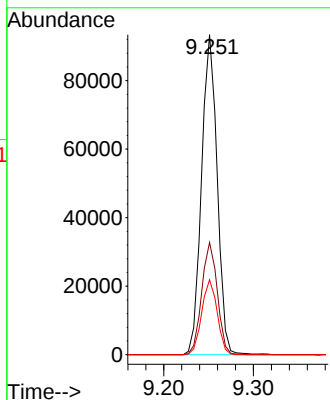
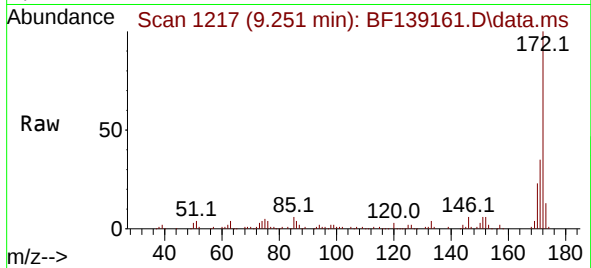




#45
2-Fluorobiphenyl
Concen: 9.016 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

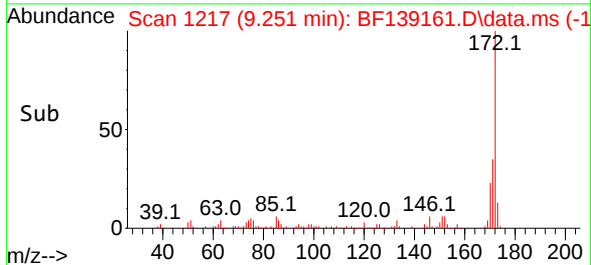
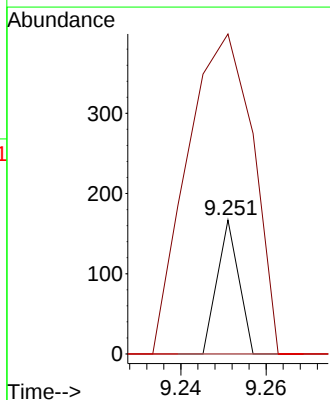
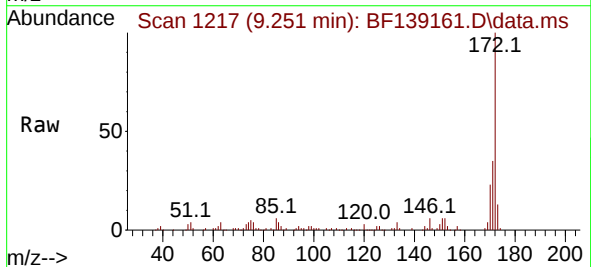
Instrument :
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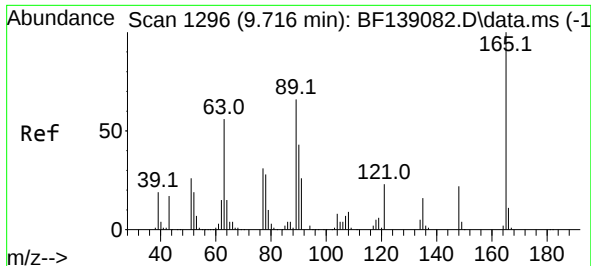
Tgt Ion:172 Resp: 112862
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.4 18.8 28.2



#48
2-Nitroaniline
Concen: 5.674 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.224 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion: 65 Resp: 59
Ion Ratio Lower Upper
65 100
92 238.9 52.4 78.6#
138 0.0 69.4 104.0#

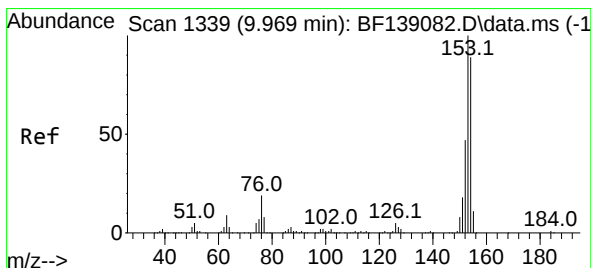
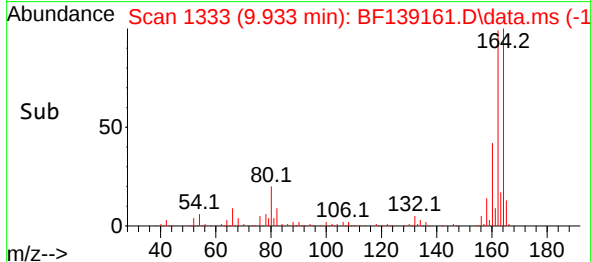
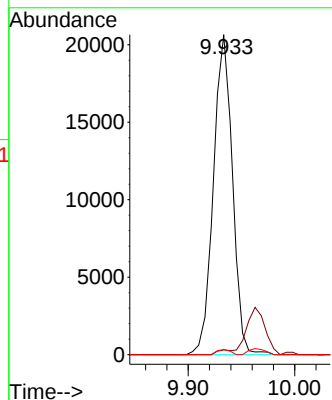
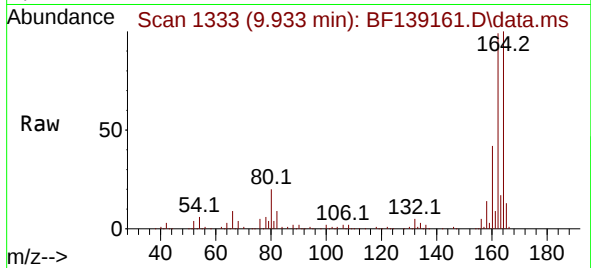




#51
2,6-Dinitrotoluene
Concen: 13.937 ng
RT: 9.933 min Scan# 1333
Delta R.T. 0.217 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

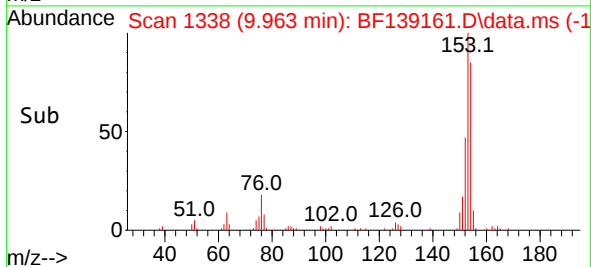
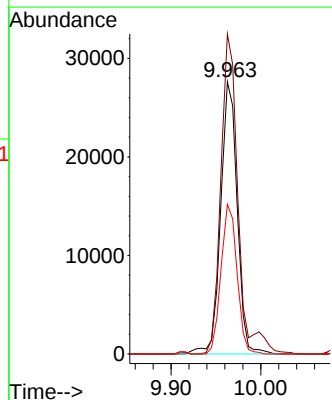
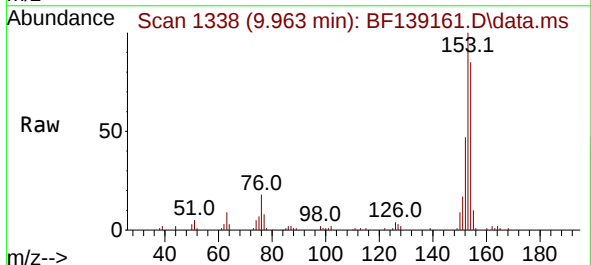
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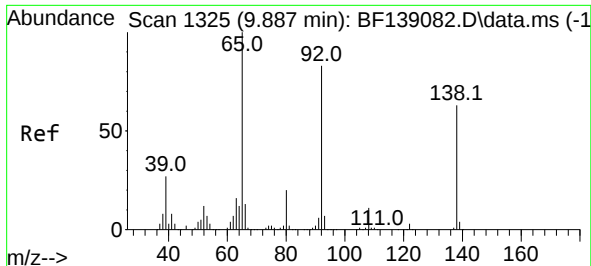
Tgt Ion:165 Resp: 25574
Ion Ratio Lower Upper
165 100
63 1.5 58.0 87.0#
89 1.6 53.3 79.9#



#52
Acenaphthene
Concen: 3.369 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:154 Resp: 35244
Ion Ratio Lower Upper
154 100
153 117.5 89.7 134.5
152 54.9 42.3 63.5

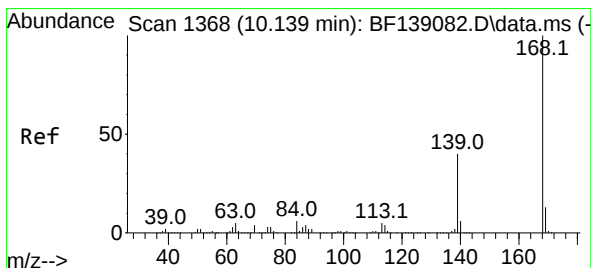
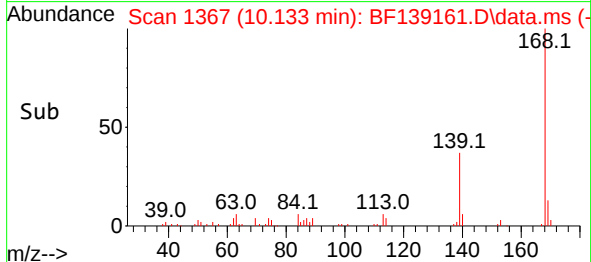
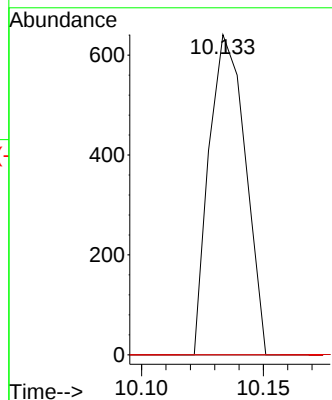
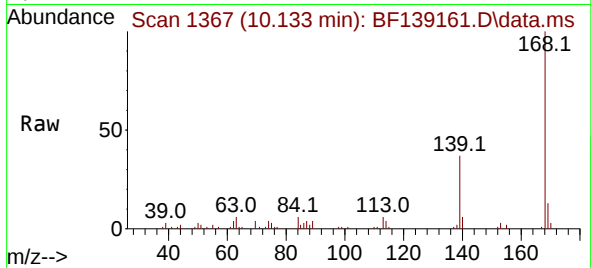




#53
3-Nitroaniline
Concen: 4.418 ng
RT: 10.133 min Scan# 1367
Delta R.T. 0.246 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

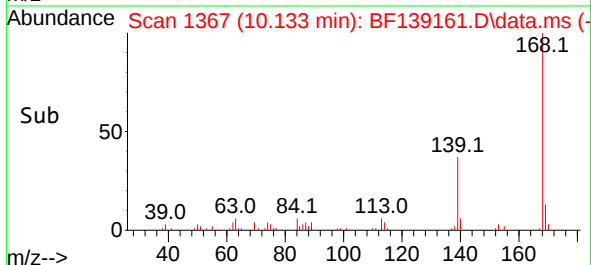
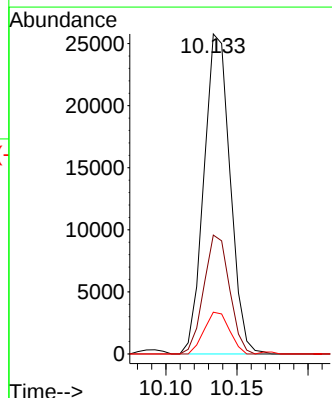
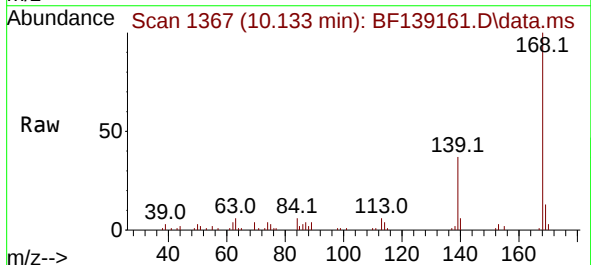
Instrument :
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S-904-J-SO-0-0.5-081924DL

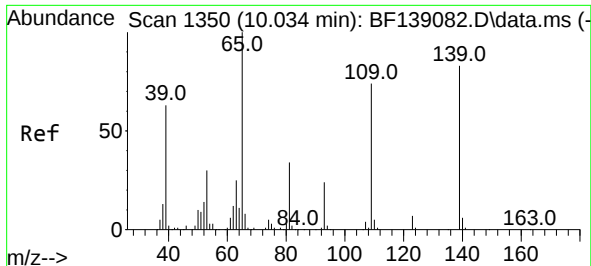
Tgt Ion:138 Resp: 664
Ion Ratio Lower Upper
138 100
108 0.0 14.6 21.8#
92 0.0 105.9 158.9#



#55
Dibenzofuran
Concen: 2.181 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:168 Resp: 33138
Ion Ratio Lower Upper
168 100
139 37.1 31.6 47.4
169 13.0 10.7 16.1

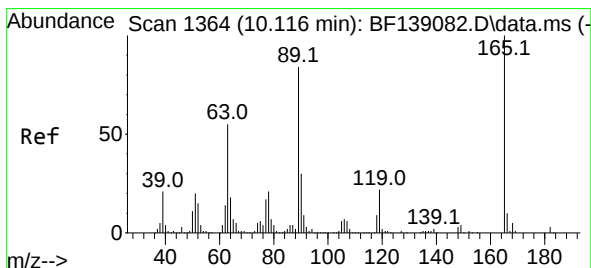
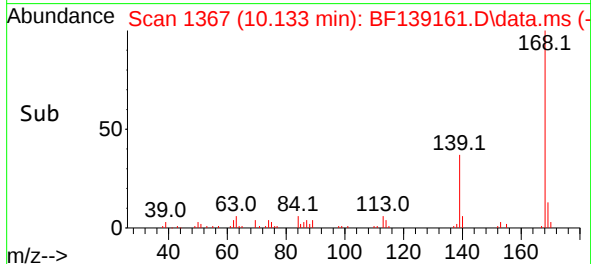
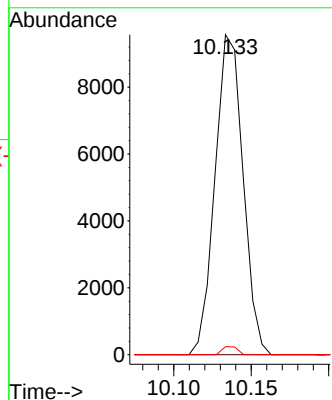
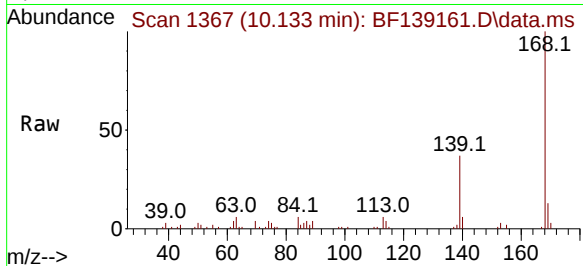




#56
4-Nitrophenol
Concen: 6.496 ng
RT: 10.133 min Scan# 1333
Delta R.T. 0.099 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

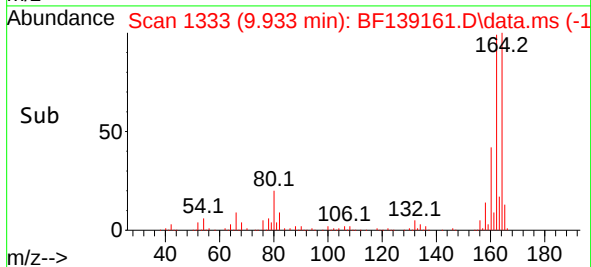
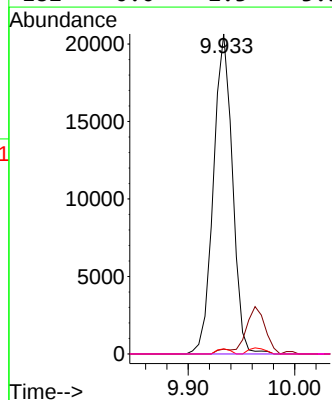
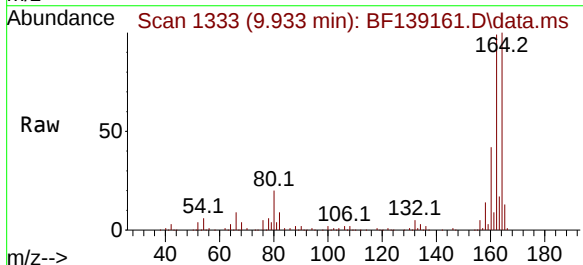
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

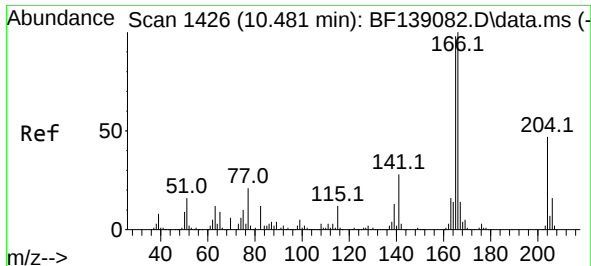
Tgt Ion:139 Resp: 12039
Ion Ratio Lower Upper
139 100
109 0.0 68.8 108.8#
65 2.5 101.3 141.3#



#57
2,4-Dinitrotoluene
Concen: 12.881 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.183 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:165 Resp: 25574
Ion Ratio Lower Upper
165 100
63 1.5 44.2 66.4#
89 1.6 67.4 101.2#
182 0.0 2.3 3.5#

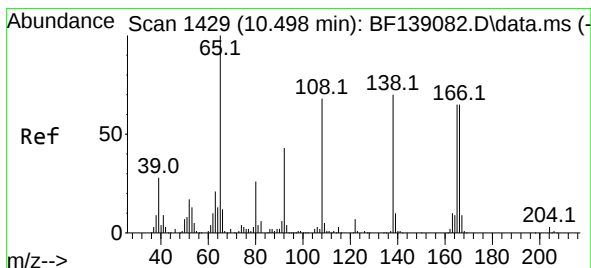
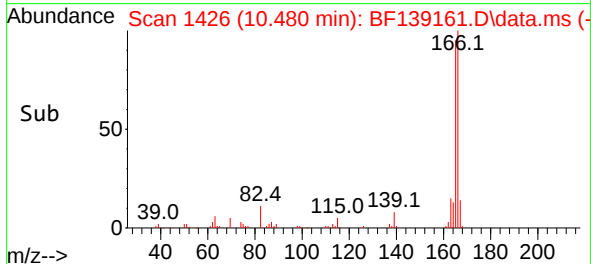
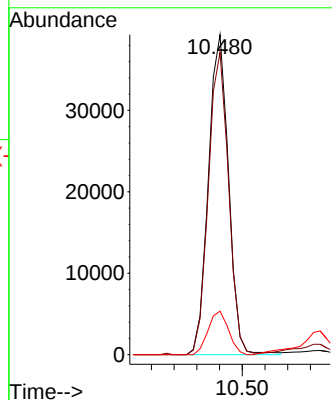
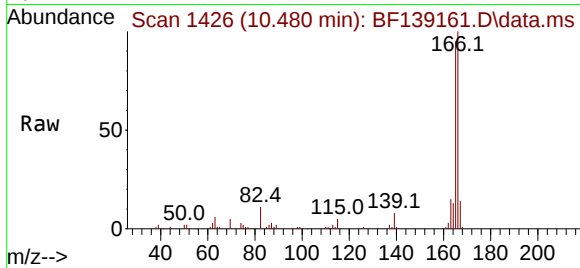




#58
Fluorene
Concen: 3.987 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

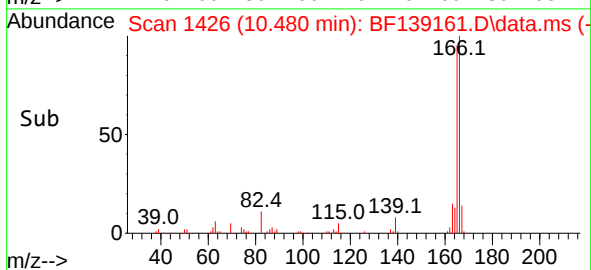
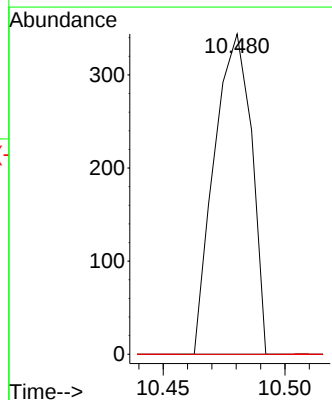
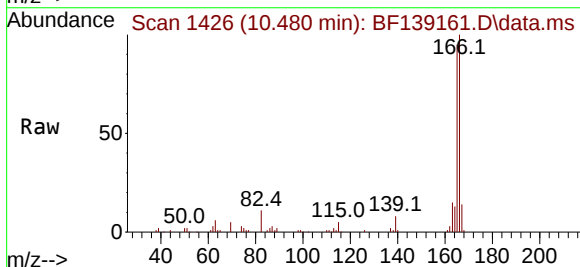
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

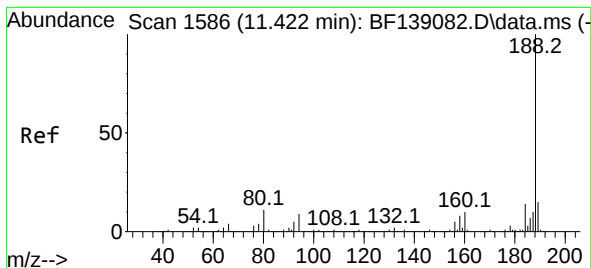
Tgt Ion:166 Resp: 48410
Ion Ratio Lower Upper
166 100
165 94.5 78.0 117.0
167 13.6 11.0 16.4



#62
4-Nitroaniline
Concen: 3.844 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:138 Resp: 366
Ion Ratio Lower Upper
138 100
92 0.0 41.4 81.4#
108 0.0 76.8 116.8#

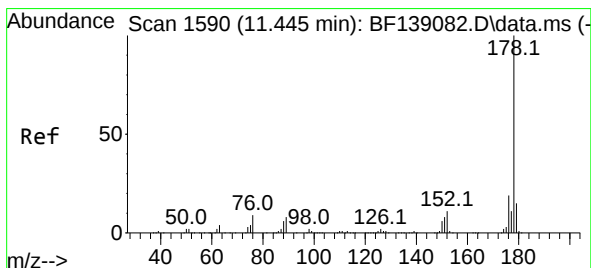
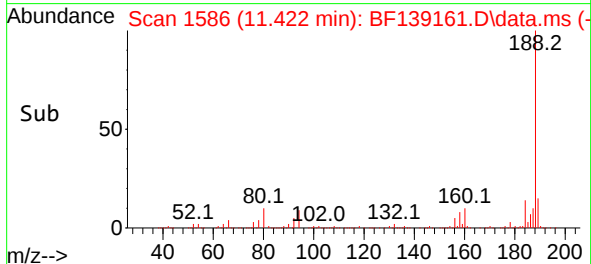
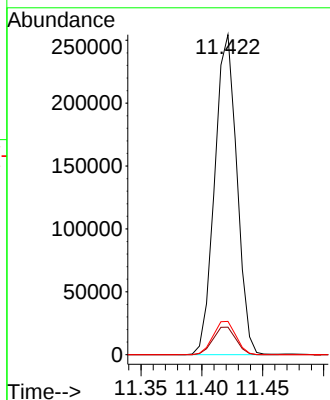
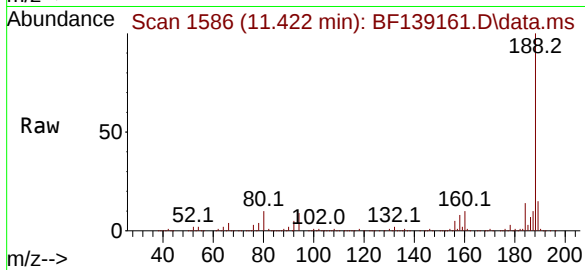




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

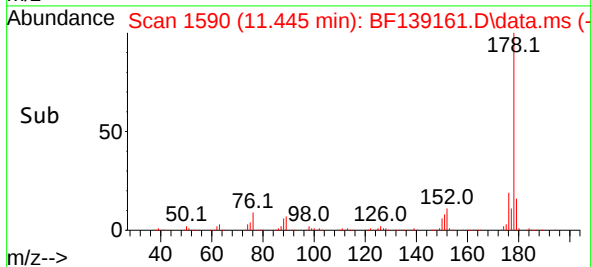
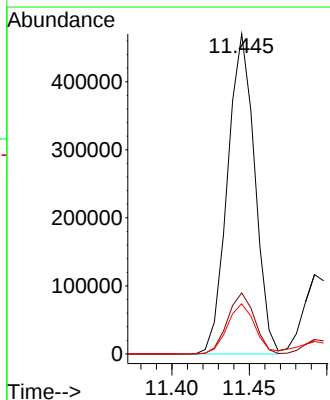
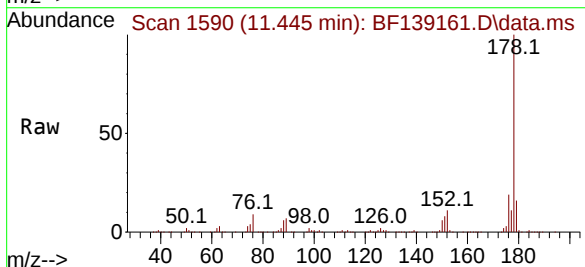
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

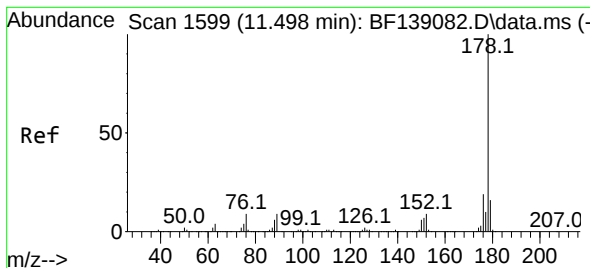
Tgt Ion:188 Resp: 323380
Ion Ratio Lower Upper
188 100
94 8.6 7.2 10.8
80 10.4 8.5 12.7



#71
Phenanthrene
Concen: 34.914 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:178 Resp: 573880
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.7 12.3 18.5





#72

Anthracene

Concen: 9.361 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.006 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL

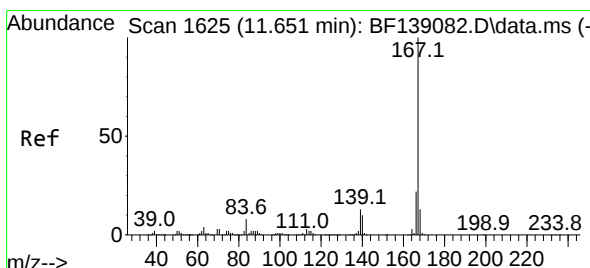
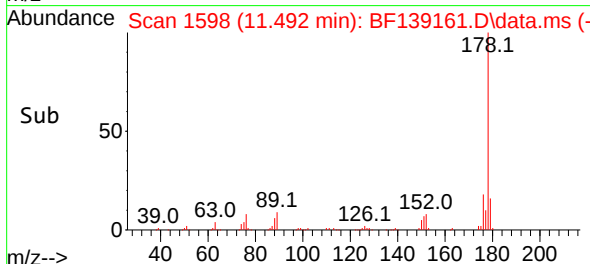
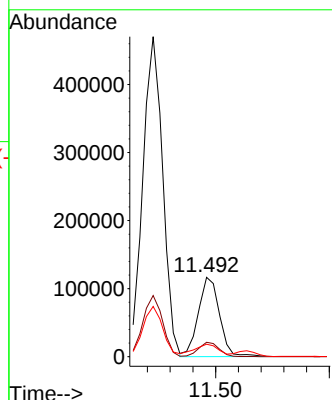
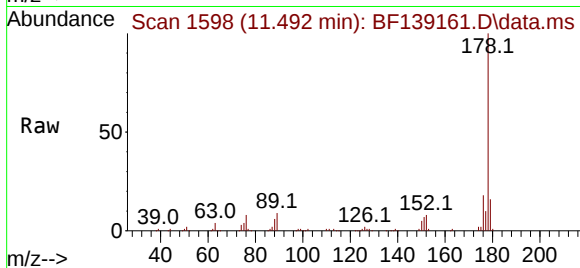
Tgt Ion:178 Resp: 150468

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

179 15.7 12.4 18.6



#73

Carbazole

Concen: 3.910 ng

RT: 11.645 min Scan# 1624

Delta R.T. -0.006 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

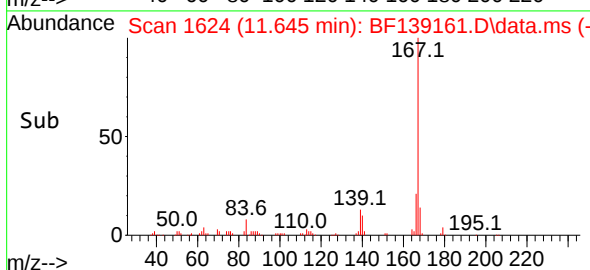
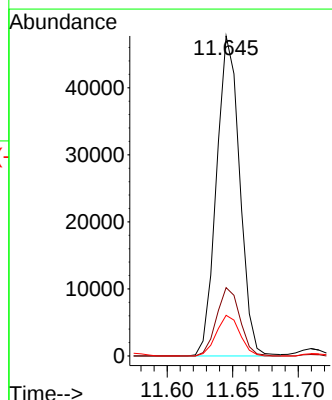
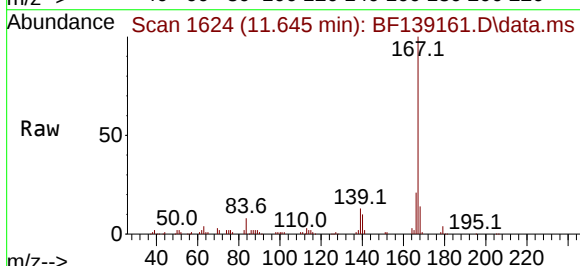
Tgt Ion:167 Resp: 58690

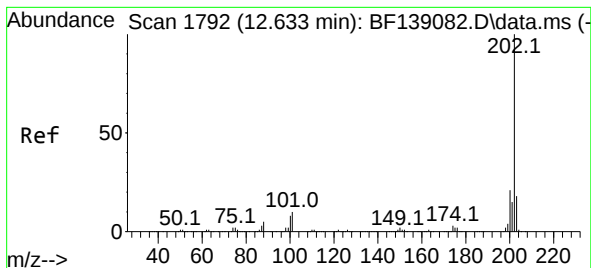
Ion Ratio Lower Upper

167 100

166 21.4 17.3 25.9

139 12.7 10.5 15.7





#75

Fluoranthene

Concen: 32.989 ng

RT: 12.633 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL

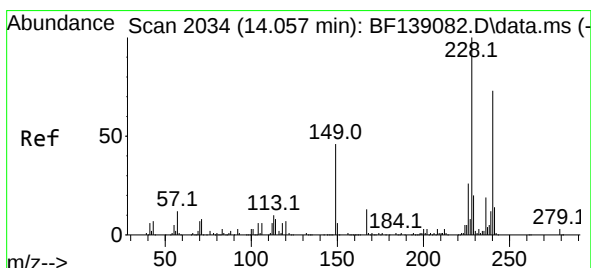
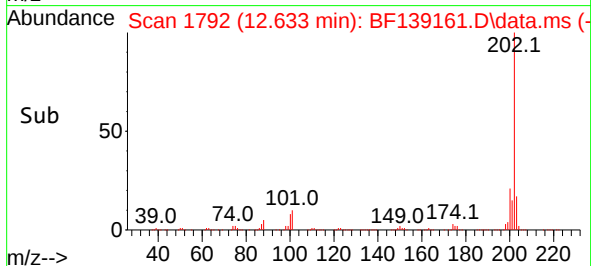
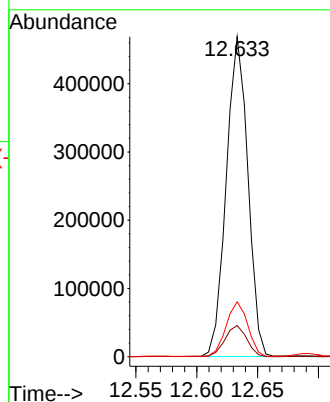
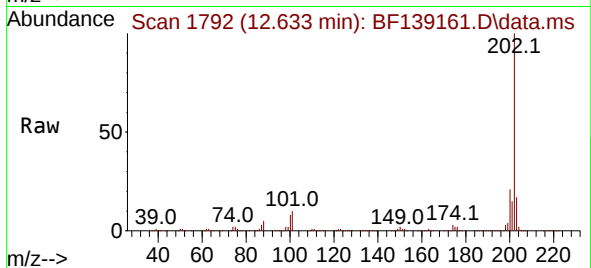
Tgt Ion:202 Resp: 578748

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.2

203 17.2 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

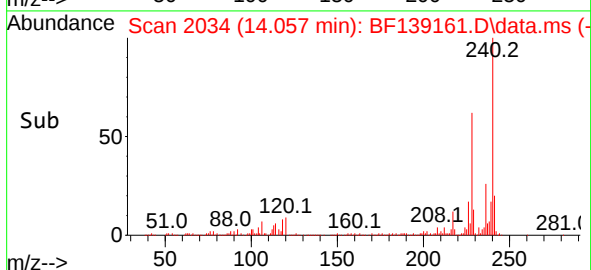
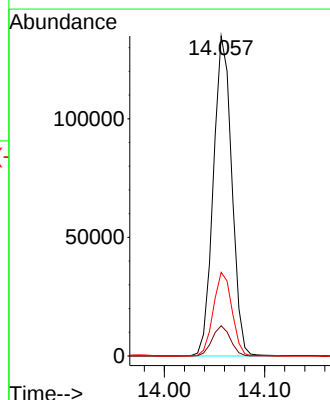
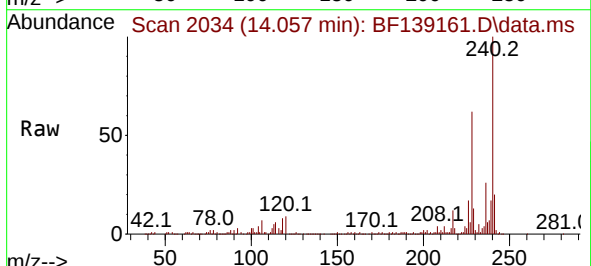
Tgt Ion:240 Resp: 172392

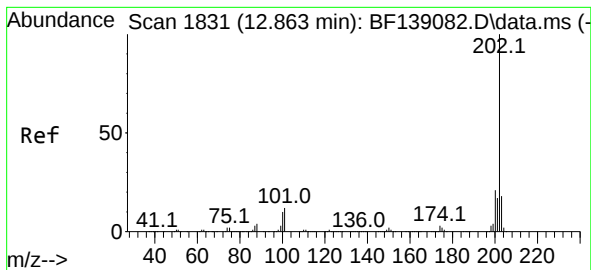
Ion Ratio Lower Upper

240 100

120 9.5 7.8 11.6

236 26.2 20.9 31.3





#78

Pyrene

Concen: 31.375 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL

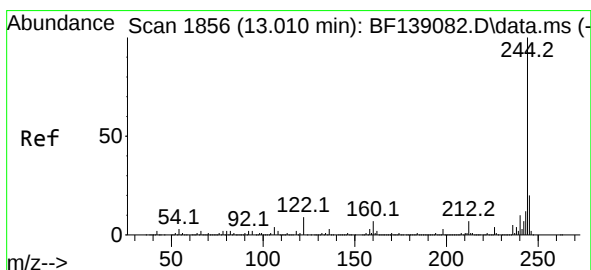
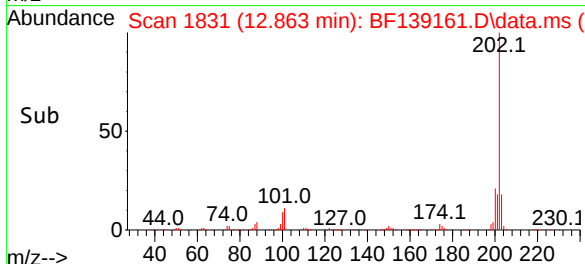
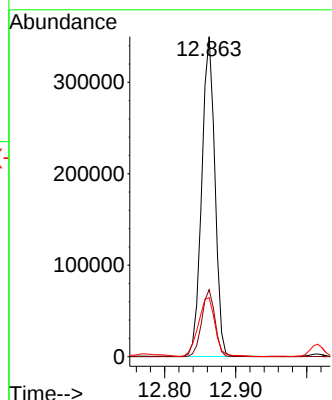
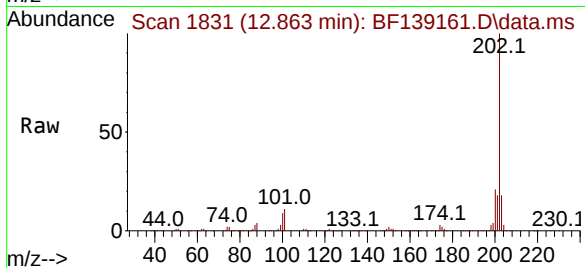
Tgt Ion:202 Resp: 451379

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 18.5 14.1 21.1



#79

Terphenyl-d14

Concen: 8.129 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

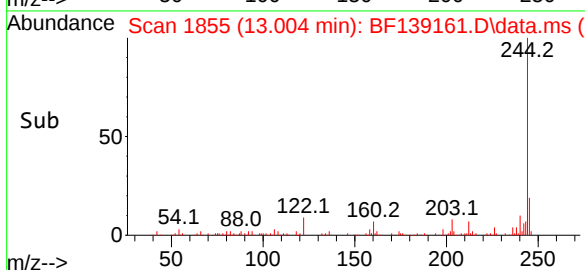
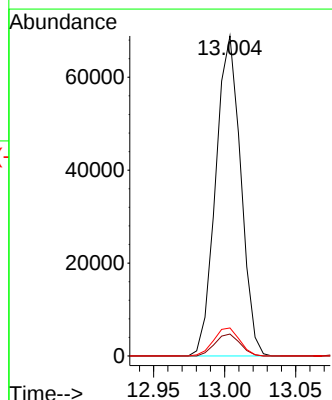
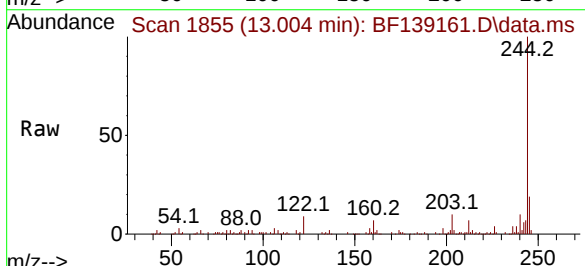
Tgt Ion:244 Resp: 84461

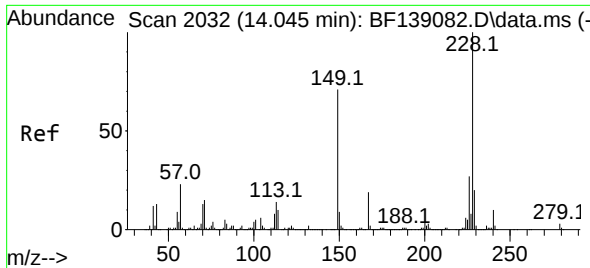
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 8.8 7.6 11.4

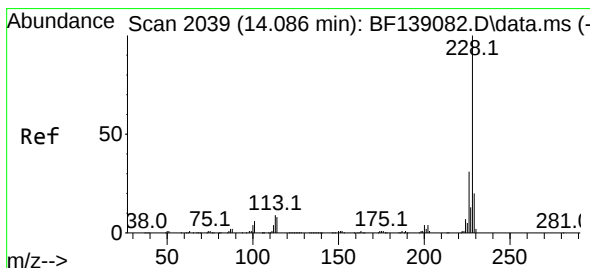
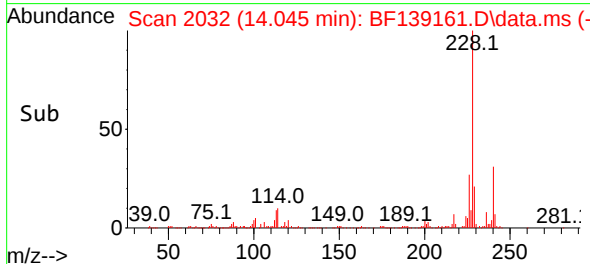
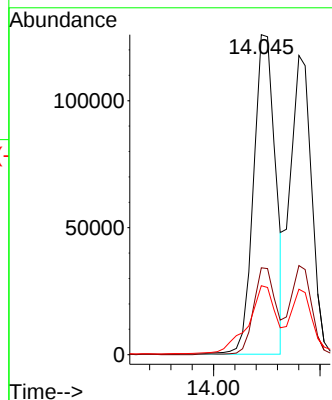
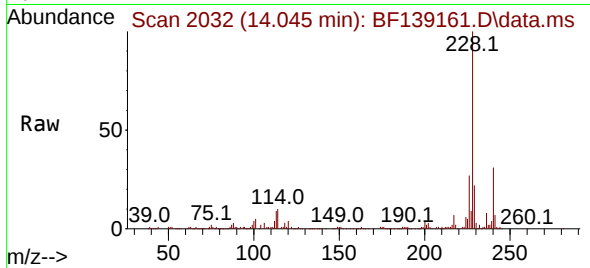




#81
Benzo(a)anthracene
Concen: 15.854 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

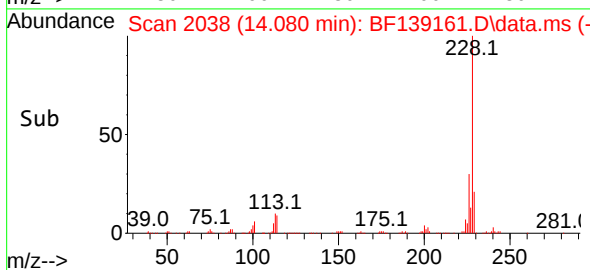
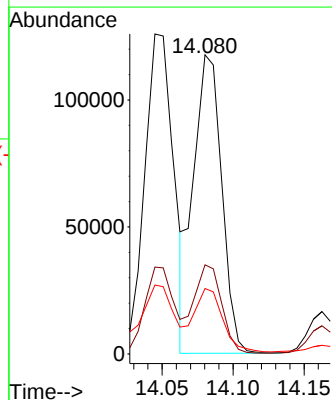
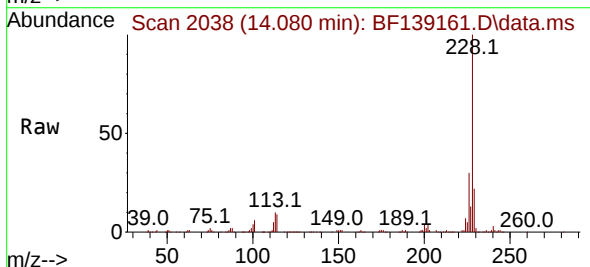
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

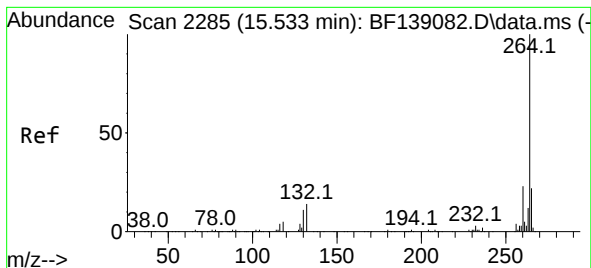
Tgt Ion:228 Resp: 179666
Ion Ratio Lower Upper
228 100
226 27.2 21.9 32.9
229 21.5 16.1 24.1



#83
Chrysene
Concen: 15.856 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:228 Resp: 162868
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 21.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139161.D

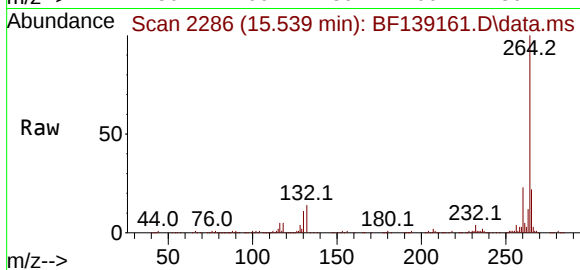
Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL



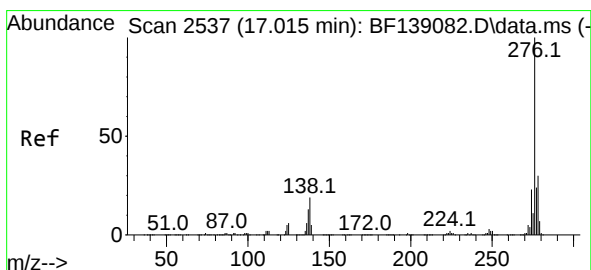
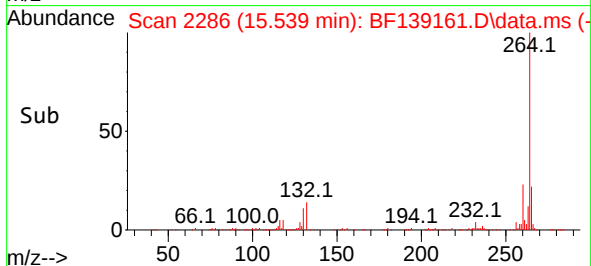
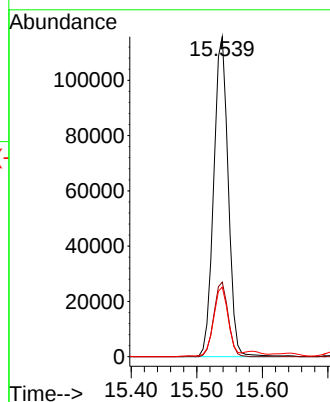
Tgt Ion:264 Resp: 177359

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 21.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.504 ng

RT: 17.015 min Scan# 2537

Delta R.T. -0.000 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

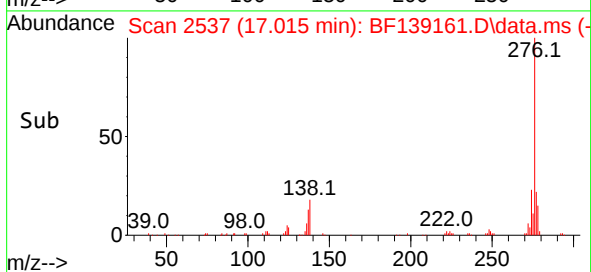
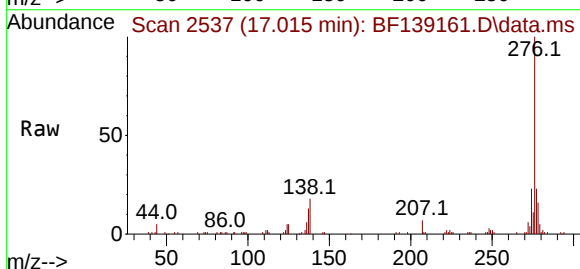
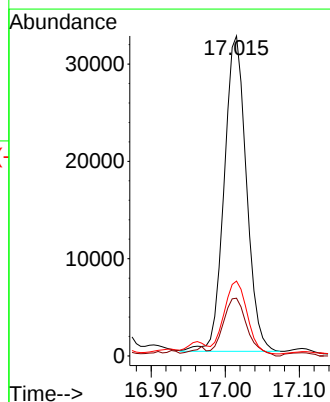
Tgt Ion:276 Resp: 67511

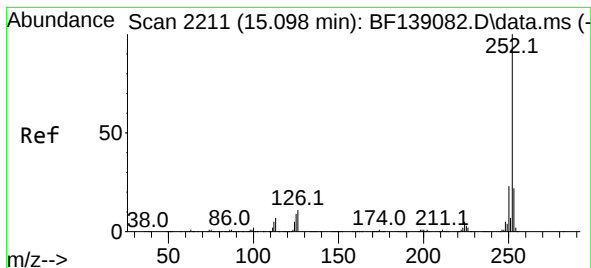
Ion Ratio Lower Upper

276 100

138 19.9 17.3 25.9

277 24.0 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 21.043 ng

RT: 15.104 min Scan# 2112

Delta R.T. 0.006 min

Lab File: BF139161.D

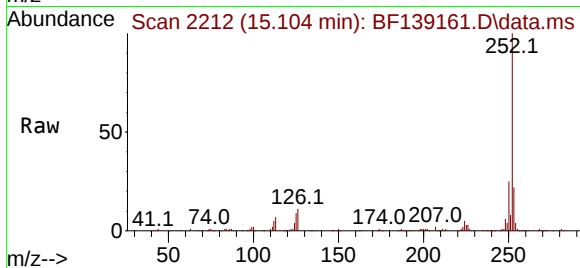
Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL



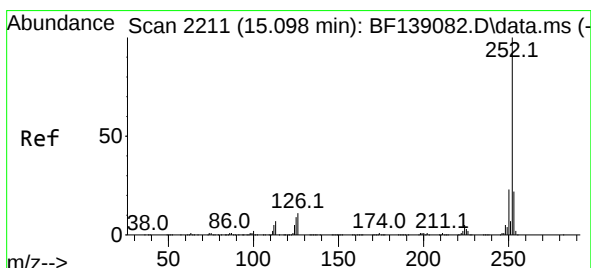
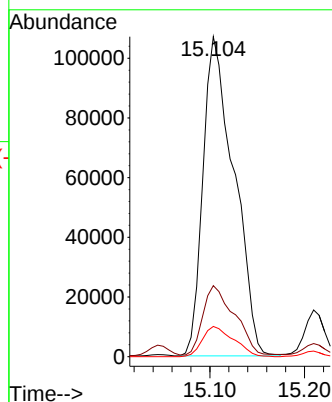
Tgt Ion:252 Resp: 243309

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.5 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 25.265 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.030 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

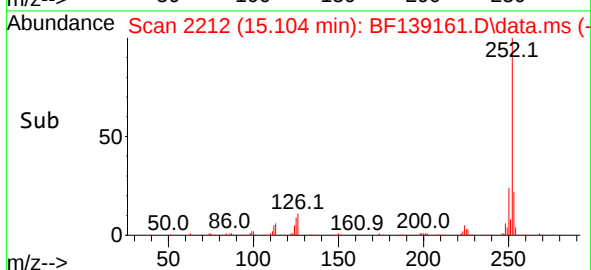
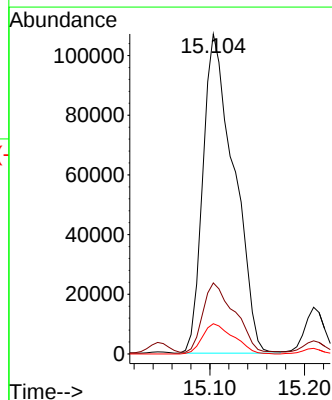
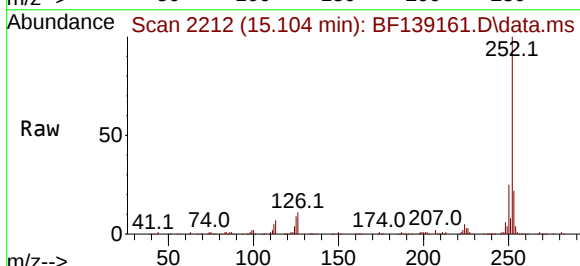
Tgt Ion:252 Resp: 243309

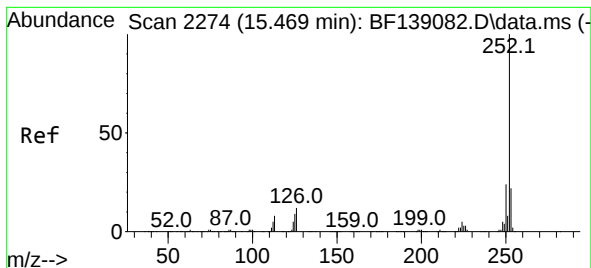
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.5 7.0 10.6





#90

Benzo(a)pyrene

Concen: 14.109 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139161.D

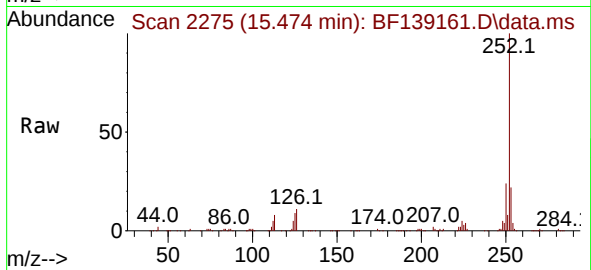
Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL



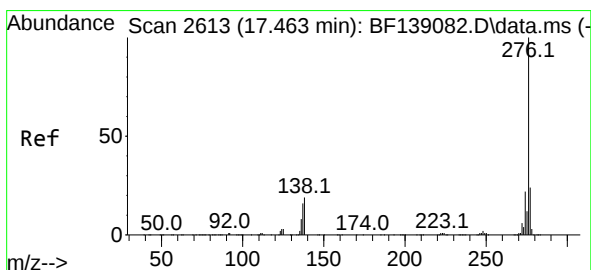
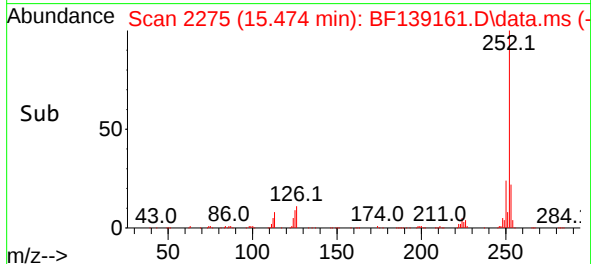
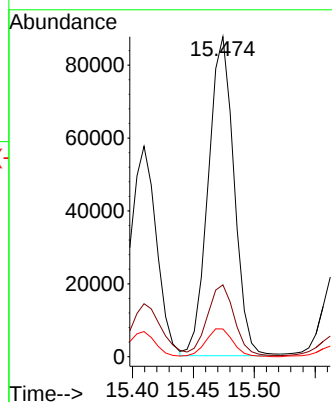
Tgt Ion:252 Resp: 128903

Ion	Ratio	Lower	Upper
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252	100		
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253	22.5	17.3	25.9
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125	8.7	7.4	11.2
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#92

Benzo(g,h,i)perylene

Concen: 8.842 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.001 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

Tgt Ion:276 Resp: 62516

Ion	Ratio	Lower	Upper
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276	100		
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277	24.1	18.8	28.2
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138	18.2	15.0	22.4
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